



**Marked-Up Copy of Amended Claims
in the Amendment Filed in Response to the
Office Action Dated 13 September 2001**

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1. (Twice Amended) An isolated nucleic acid molecule selected from the group consisting of:

a) a nucleic acid molecule having a nucleotide sequence which is at least 90% identical to the nucleotide sequence of SEQ ID NO: 45 or 46, or a complement thereof;

b) a nucleic acid molecule comprising at least 100 nucleotide residues and having a nucleotide sequence identical to at least 100 consecutive nucleotide residues of SEQ ID NO: 45 or 46, or a complement thereof;

c) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence encoded by SEQ ID NO: 45 or 46;

d) a nucleic acid molecule which encodes at least ~~18~~20 consecutive amino acid residues of the amino acid sequence encoded by SEQ ID NO: 45 or 46; and

e) a nucleic acid molecule which encodes a variant of the amino acid sequence encoded by SEQ ID NO: 45 or 46, wherein the nucleic acid molecule hybridizes ~~to~~in 6× sodium chloride/sodium citrate (SSC) at about 45°C, followed by one or more washes in 0.2× SSC, 0.1% SDS at 50°C with a nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO: 45 or 46 or a complement thereof ~~under stringent conditions~~.

30. (Amended) The isolated nucleic acid molecule of claim 1, wherein the nucleic acid molecule encodes at least ~~18~~20 consecutive amino acid residues of the amino acid sequence encoded by SEQ ID NO: 45 or 46.

32. (Amended) The isolated nucleic acid molecule of claim 1, wherein the nucleic acid molecule encodes a variant of the amino acid sequence encoded by SEQ ID NO: 45 or 46, wherein the nucleic acid molecule hybridizes ~~to~~ in 6× SSC at about 45°C, followed by one or more washes in 0.2× SSC, 0.1% SDS at 50°C with a nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO: 45 or 46 or a complement thereof ~~under stringent conditions.~~

12. (Twice Amended) A method for producing a polypeptide selected from the group consisting of:

a) a polypeptide comprising the amino acid sequence encoded by SEQ ID NO: 45 or 46;

b) a polypeptide comprising at least ~~18~~ 20 contiguous amino acids of the amino acid sequence encoded by SEQ ID NO: 45 or 46; and

c) a variant of a polypeptide comprising the amino acid sequence encoded by SEQ ID NO: 45 or 46, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes ~~to~~ in 6× SSC at about 45°C, followed by one or more washes in 0.2× SSC, 0.1% SDS at 50°C with a nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO: 45 or 46, or a complement thereof ~~under stringent conditions;~~

the method comprising culturing the host cell of claim 5 under conditions in which the nucleic acid molecule is expressed.

37. (Amended) The method of claim 12, wherein the polypeptide is a variant of the polypeptide encoded by SEQ ID NO: 45 or 46, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes ~~to~~ in 6× SSC at about 45°C, followed by one or more washes in 0.2× SSC, 0.1% SDS at 50°C with a nucleic acid molecule consisting of the

nucleotide sequence of SEQ ID NO: 45 or 46, or a complement thereof ~~under stringent~~
~~conditions.~~